



Exide Plant Issues



Where did this start?

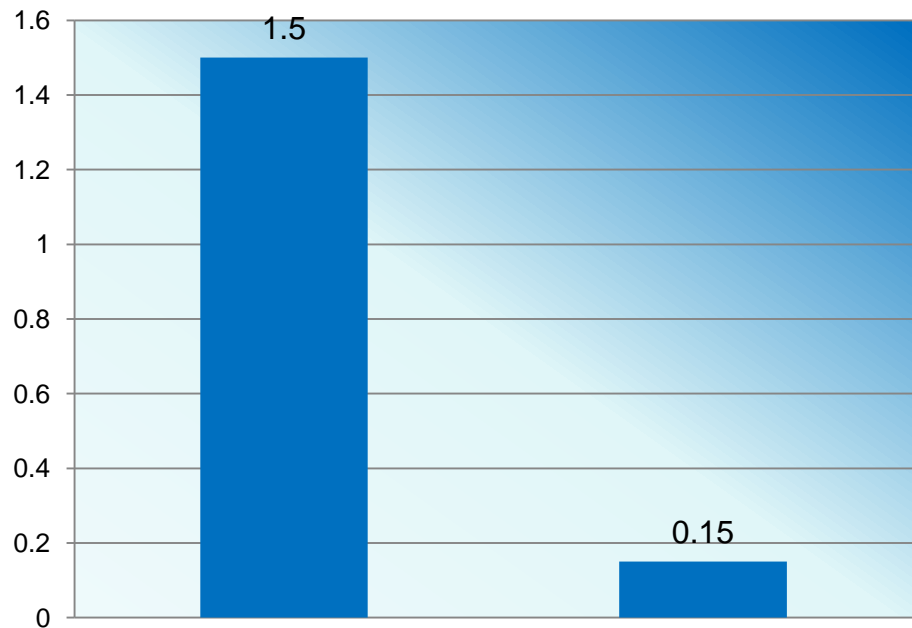
The EPA revised the National Ambient Air Quality Standard (the “NAAQS”) for allowable lead emissions.

Revised From –
1.5 micrograms per cubic meter

To –
0.15 micrograms per cubic meter

Exide not in compliance with the new
standard – thus –

Non-Attainment Zone Designation





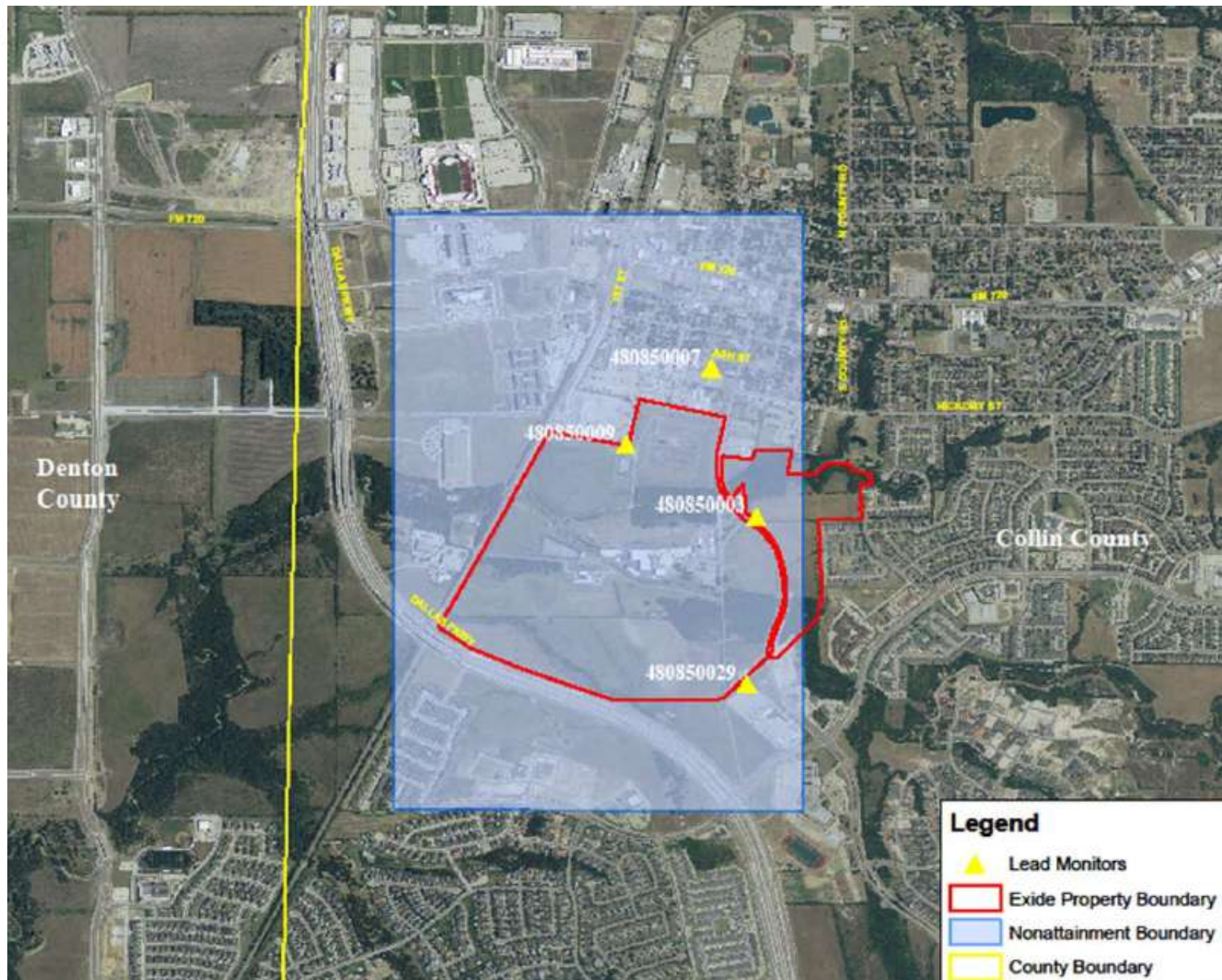
EPA Non-Attainment Zone



Zone Data

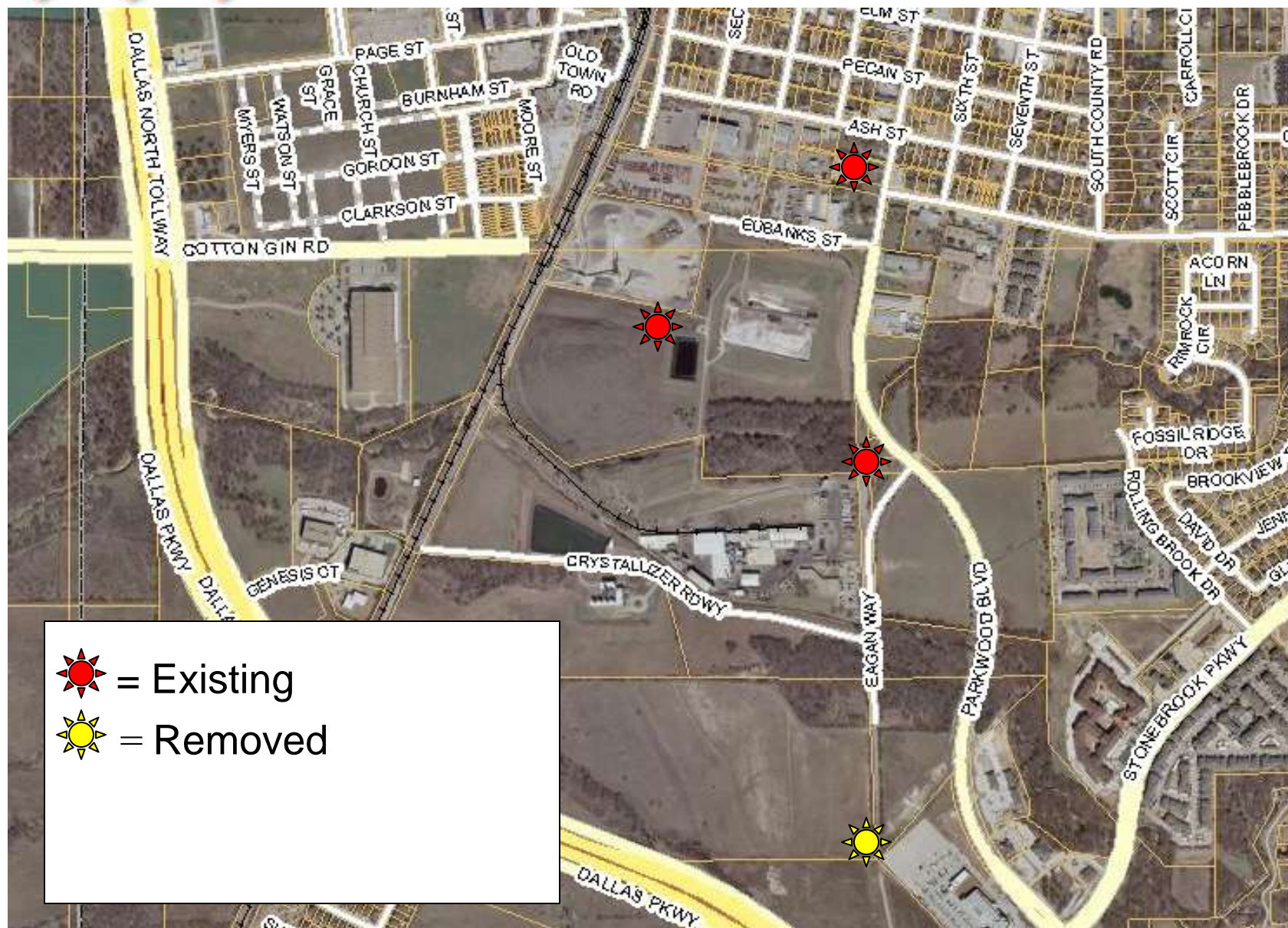
Effective:
12-31-2010

Size:
~1.3 sq miles





Air Monitoring Sites







= Existing



= Removed



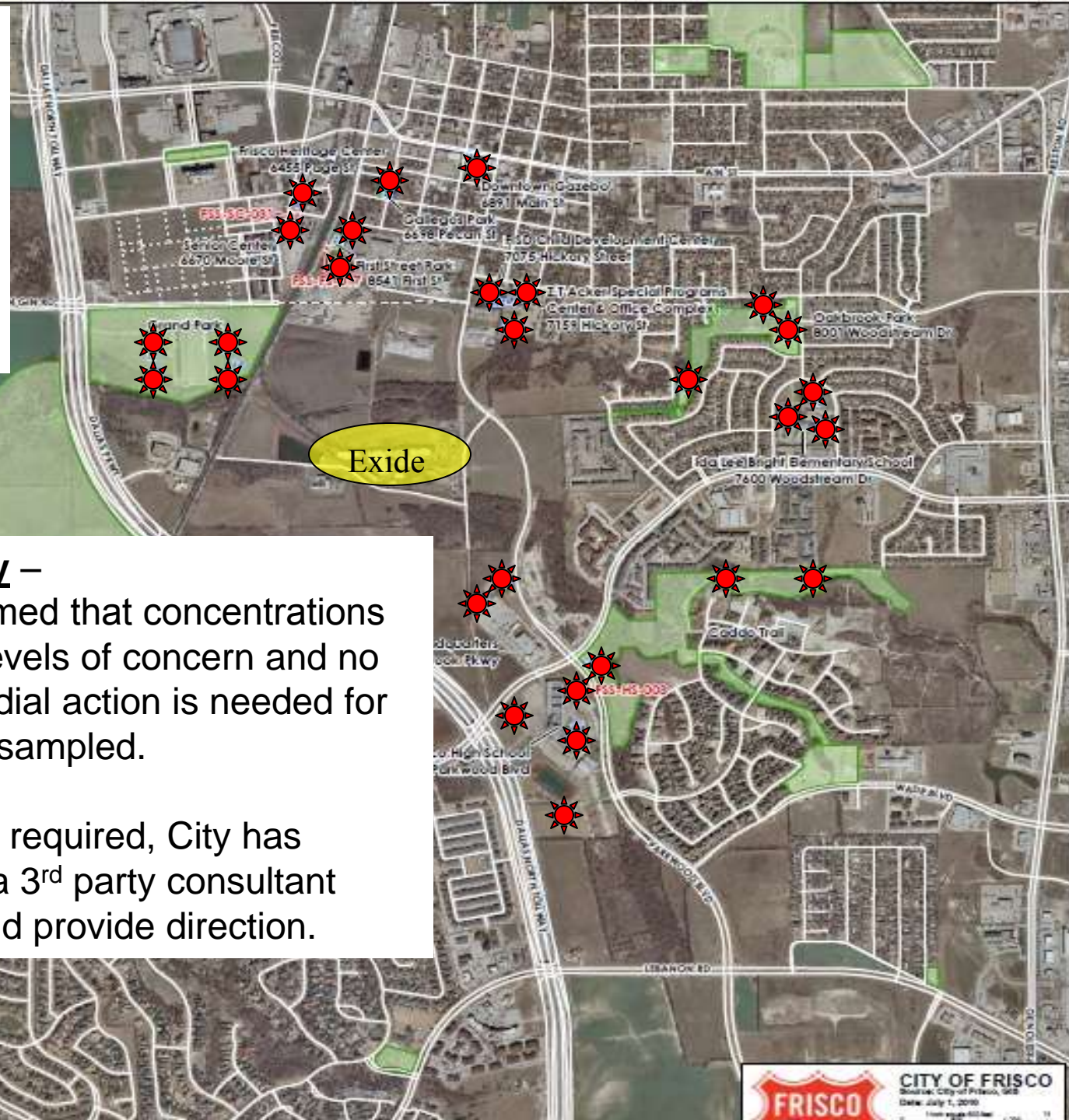
	= Existing
	= Removed
	= Relocated\Remained
	= New



EPA Soil Sample Sites

Soil Samples –

- Collected over two days
- March 15th & 16th, 2010
- Report Issued January 20, 2011



EPA Report Summary –

“Sample results confirmed that concentrations are below regulatory levels of concern and no further testing or remedial action is needed for those areas that were sampled.

Frisco's Response –

While no EPA action is required, City has requested TCEQ and a 3rd party consultant examine the results and provide direction.



A summary of TCEQ activities concerning the lead non-attainment area located in the City of Frisco

As of March 1st, 2011, the agency is currently conducting the following activities in the City of Frisco, as it relates to the lead non attainment area located in Collin County.**

- “TCEQ is contracting with Eastern Research Group Inc. (ERG) to conduct a comprehensive evaluation of air quality control technologies used for lead-acid battery recycling. Will include, at a minimum, the following:
 - An evaluation of potential lead emission reduction strategies;
 - Development of a menu of industry best management practices and an evaluation of whether each practice would be compatible with emission control practices and technologies at the Exide facility...;
 - Development of a menu of control technologies and an evaluation of whether each technology would be compatible with emission control practices and technologies at the Exide facility...;
 - A calculation of the potential for emission reductions for each practice or control technology, including beneficial combinations..., along with an estimated cost...; and
 - An estimation of the time to acquire and install each potential practice or control strategy.”

**Source: Document Titled, “A summary of TCEQ activities concerning the lead non-attainment area located in the City of Frisco”, sent to City of Frisco via email dated March 2, 2011.



A summary of TCEQ activities concerning the lead non-attainment area located in the City of Frisco

- The TCEQ will “...complete and submit the federally required attainment demonstration to the U.S. Environmental Protection Agency (EPA)...the agency is moving forward with two mechanisms in parallel, to ensure compliance with the National Ambient Air Quality Standard (NAAQS):
 - The agency is in negotiations with Exide Technologies (Exide) in drafting an Agreed Order, requiring Exide to control emissions of lead from the Exide Frisco facility.
 - The requirements of the Order will be federally enforceable.
 - The Order will detail operational control changes that Exide will be required to conduct, along with the installation of new or modified control devices. The completion of the changes is on an expedited time schedule...
 - In the event that an agreement on the...Order cannot be reached between the agency and Exide, the agency has begun the process of proposing new...rules. The rules would provide specific control, monitoring, and recordkeeping requirements that Exide would be required to comply with, along with best management practices to be implemented.”



A summary of TCEQ activities concerning the lead non-attainment area located in the City of Frisco

- “The TCEQ...providing funding to the Texas Department of State Health Services (DSHS), so DSHS can conduct a blood lead exposure investigation in Frisco. DSHS will offer free blood lead testing clinics to the citizens of Frisco. There are four clinics being planned in the month of March, with funding for a minimum of at least 500 samples to be taken.
- The TCEQ’s Toxicology Division will be performing a detailed review of soil sampling conducted by the EPA and will be evaluating the need for additional soil sampling.
- The TCEQ continues to collect ambient air samples from its four lead monitors located around the Exide facility...
- On February 16th, the TCEQ mailed to Exide, a Notice of Enforcement (NOE). The NOE cited two violations:
 - (1) Failure to maintain the lead NAAQS, and
 - (2) Failure to report an exceedance of the NAAQS, as required in the company’s Title V permit.”



Legislative Actions

Senate Bill: **SB1475**

Filed By: Senator Shapiro

Purpose: Relating to environmental and public health protections regarding smelter facilities at which lead-acid battery recycling activities are conducted.

- Control for Contaminant Emissions: The owner or operator of a facility shall have installed at the facility emissions controls as prescribed by commission rule. Emissions controls must include:
 - (1) electrostatic precipitators;
 - (2) thermal oxidizers;
 - (3) enhanced filtration systems; and
 - (4) negative pressure and enhanced filtration systems for materials handling and processing areas
 - The owner or operator of the facility semiannually shall demonstrate by means of a performance test that the facility's installed emissions controls are effective at achieving a 95 percent reduction in the facility's emissions air contaminants in the form of metals and organic chemicals as particulates and vapors associated with known or suspected carcinogens.
- Emission and Solid Waste Health Risk Assessments: all pathways and combinations of pathways by which an emitted contaminant may affect the health of an individual, including:
 - (A) respiration;
 - (B) dermal exposure; and
 - (C) ingestion of contaminated soil or ingestion of contaminants contained in plants grown in contaminated soil or in animals contaminated by exposure to contaminants or by contaminated feed.
- Air Monitoring and Reporting: have installed and continuously operate continuous opacity monitors and continuous emissions monitors for particulate matter emissions and volatile organic compounds emissions from the facility's process stacks and vents.



Texas Department of State Health Services (TDSHS) Blood Lead Testing



Where: 6101 Frisco Square Blvd.
City Hall\Library
4th Floor – McCallum Room
Room is directly across the hall from the elevators

When: Thursday, March 24 8:00 AM – 8:00 PM
Friday, March 25 8:00 AM – 8:00 PM
Saturday, March 26 8:00 AM – 6:00 PM
Sunday, March 27 1:00 PM – 5:00 PM

Cost: Free

Contacts: Carrier Bradford, PhD
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March 24-27: 1-512-981-8397
Tina Walker
In Austin: 1-800-588-1488 Ext. 2932
March 24-27: 1-512-981-8415